

Khyber Pakhtunkhwa Board of Technical & Commerce Education Peshawar

Diploma in Information Technology

(Part – I)

2nd Term Examination 2022

Paper: - Office Automation (Ms-Word/Excel/PowerPoint)

Time Allowed: - 02 Hrs & 40 minutes

Marks: - 40

Part – B

Note: - Attempt any four questions by selecting at least one question from each section Below. All questions carry equal (10) marks.

Section A

Q.2:- Discuss Book mark and Water mark in Ms Word document.

Q.3:- Write short note on the following commands: (Ms Word)
a) Find and Replace.
b) Undo and Redo.
c) Save a document

Section B

Q.4:- Define the following Functions. Write down its syntax with example.

i) Product ii) Count iii) IF

Q.5:- Write the procedure of the following commands in Ms Excel.

a) Data Sorting and Filtering.
b) Apply Password to Excel file.

Section C

Q.6:- Discuss Slide transition. Write steps for adding transition to a slide show.

Q.7:- Discuss the following terms in PowerPoint.

a) Title Bar.
b) Menu Bar.
c) Slide View.

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2nd Term Examination 2022

Paper: - Information & Communication Technology (ICT)

Time Allowed: - **03 Hours.**

Max. Marks: - 100

Note: - Attempt any five questions. All questions carry equal marks. Mobile phone & Programmable Calculators are not allowed.

Q.1: - Define SSD. Differentiate between SSD and HDD.

Q.2:- Define software. Discuss various types of system software.

Q.3:- For which purpose flow chart is used? Write five basic building blocks of a flow Chart.

Q.4:- Define and differentiate between RAM and ROM.

Q.5:- Write note on following.

- i. Virus
- ii. Antivirus
- iii. Expert system
- iv. Firewall

Q.6:- What is transmission media? Discuss various types of wired/guided media.

Q.7:- Convert the following.

- i. $(010\ 100\ 001)_2$ to octal.
- ii. $(111011)_2$ to decimal.

Q.8:- Define hardware. Elaborate printer briefly.

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(Part – I)

2nd Term Examination 2022

Paper: - Computer Programming C / C++

Time Allowed: - 03 Hours.

Max. Marks: - 50

Note: - Attempt any five questions. All questions carry equal marks. Mobile Phone & Programmable Calculators are not allowed.

Q.1:- Define Computer Languages, and Explain different types constant used in C/C++ Programming.

Q.2:- Discuss the following with examples.

- I. Reserved words
- II. Operators
- III. Expression
- IV. Syntax of for Loop.

Q.3: - Discuss basic structure of C program.

Q.4:- Discuss the following function with examples

- I. scanf
- II. getch
- III. cin
- IV. Syntax of Do, while Loop.

Q.5:- Explain if statement and nested if statement with examples.

Q.6:- Write C++ program to display multiples of 5 up to 50.

Q.7:- Write C program to print average of n numbers.

Q.8: - Explain logical operators with example.

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(Part – I)

2nd Term Examination 2022

Paper: - Operating System

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Time Allowed: - 03 Hours.

Max. Marks: - 50

Note: - Attempt any five questions. Select at least two questions from each part. All Questions carry equal marks. Mobile Phone & Programmable calculators are not allowed.

(Part – I)

- Q.1:-** Discuss in detail Operating System with its major parts?
- Q.2:-** Define following scheduling algorithms:
- a) SJF b) SJN c) RR d) FIFO e) LIFO
- Q.3:-** Write steps of creating new partition and formatting in windows 7?
- Q.4:-** How to configure and Install Sound card & printer in windows 7?

(Part – II)

- Q.5:-** Discuss group policy in detail?
- Q.6:-** Write the main features of windows server 2008 in detail?
- Q.7:-** Define following Linux commands:
- a) Head b) Sort c) Write d) Rmdir e) Echo
- Q.8:-** How to create user account in Linux using shell commands?

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(Part – I)

2nd Term Examination 2022

Paper: - Computer Networking

Time Allowed: - **03 Hours.**

Max. Marks: - **50**

Note: - Attempt any five questions. All questions carry equal marks. Mobile Phone & Programmable calculators are not allowed.

Q.1:- List different Networking devices. Explain any two of them.

Q.2:- Discuss and explain the following terms used in computer networks:

- i. Data.
- ii. Data rate.
- iii. Peak Data rate.

Q.3:- Discuss Coaxial Cable and Fiber optic Cable used in networking.

Q.4:- What is OSI Model? Explain Data link Layer and physical Layer of OSI Model.

Q.5:- Differentiate between NIC and Bridge used in data communication.

Q.6:- What is mean by Transmission media? Write various reasons for using Wireless media.

Q.7:- Differentiate between various connectors used in LAN.

Q.8:- Write short note on any two:

- a) Router.
- b) Active Hub.
- c) Broad Band.
